QUESTION #9

ATTACHMENT #6

See Page 3 for Form Information and Instructions. Line Strike 12" Posted mag 3-14-12

GENERAL DATA

☒ MAINLINE ☐ FACILITY	Purpose of Report (See page 3 for examples)	Pipeline Name / Facility Name & Number	Line I.D. Number
	LINE STRIKE INVESTIGATION	FALLS CITY TO IRVINGTON #5-12"	6225

Tract Number	Mile Post	Latitude – Longitude (WGS 84 and Degrees - Decimal Minutes)	County	State
	111.7	Lat. = N40.312968 Long. = W95.721439	NEMAHA	NEBRASKA

Legal Description | Reference Drawings (Alignment Sheet OR Facility Drawing No.)

LEAK DATA ☐ N/A

Date Discovered (M/D/YYYY)	Time (HH:mm)	Date Stopped (M/D/YYYY)	Time (HH:mm)	Product	Leak Footprint	Barrels / MMCF Out of Line
12/10/2011	☐ AM ☐ PM	12/10/2011	8:00 ☐ AM ☒ PM	DIESEL	L 100' ft. x W 230' ft.	

Barrels Recovered | Barrels Lost

Cause – Preliminary (Final cause will be determined in the incident investigation)

☐ External Corrosion ☐ Internal Corrosion ☒ Third Party Damage ☐ Pipe Failure ☐ Equipment Failure
☐ Seam Failure ☐ Operator Error ☐ Contractor Error ☐ Frost Heave ☐ Natural Forces
☐ Washout ☐ Fire/Explosion ☐ Pressure Testing ☐ Overflow (Rain) ☐ Intentional Blow Down
☐ Vandalism ☐ Unknown ☐ Water Freeze ☐ Other (Specify) _____

Leak Reported By
Name | Address | Phone

WORK DONE AND REMARKS

AFE Number (if applicable)	Date Work Started	Date Work Completed	Ditch Was Open From M/D/YYYY to M/D/YYYY
	12/10/2011	12/12/2011	12/10/2011 to

Repair was: ☐ Above Ground ☒ Below Ground ☐ Both Depth of Cover 15'

Size of Ditch (in feet): 100' ft. Long x 30' ft. Wide x 5' ft. Deep

Description of Work Done

Excavate to Investigate (Third Party) Line Strike Found Line Strike Damage to be approximately 10" L x 3" W x .312" D @ 12:00 Installed 28.6' New Pipe/Flanged Fusion Bonded Epoxy Coating + 9' Polyguard RD6/600 primmer and Wax Tape, With Additional Investigation Installed 12" Type B Weeding Band to Exposed U/S Girth Weld and 4' Polyguard RD6/600 Primmer
NOTE- MAG and X-Ray - See DBI Inspection Reports

PROPERTY DAMAGE ☐ N/A

Owner | Address | Phone

Tenant | Address | Phone

Description of Damage
Access- 3600' L x 30' W Cultivated
Cleanup-Pending due to ongoing environmental cleanup.

Real Estate Services Agent Notified? ☒ Yes ☐ No If yes, Name of Agent

Check Written To | Date (M/D/YYYY) | Check No. | Amount

SHALLOW / EXPOSED PIPE ☒ N/A

Note: If minimum depth of shallow pipe is less than 18" in cultivated area, contact Depth of Cover Coordinator.

Shallow or Exposed: ☐ Shallow ☐ Exposed
Length of Shallow / Exposed Pipe ft.
Has this location been previously reported? ☐ Yes ☐ No
Land Use: ☐ Cultivated ☐ Crop ☐ Creek ☐ Bar Ditch ☐ Residential ☐ Industrial ☐ Pasture ☐ Other

Is Exposed Pipe Unsupported? ☐ Yes ☐ No Unsupported Length ft.
Minimum Depth of Shallow Pipe in.
Average Depth of Shallow Pipe in.

Waterway Crossing Information (Visual Observation): ☐ Waterway maintained ☐ Waterway carries debris that may damage pipeline
Is Area Populated? (Visual Observation) ☐ Yes ☐ No
Is Area an Environmental Concern? (Visual Observation) ☐ Yes ☐ No

Is there water flow over pipe (more than 4 times per year) ? (Visual Observation) ☐ Yes ☐ No
Is There Evidence of Third Party Damage? ☐ Yes ☐ No

LINE CONDITION AND CATHODIC PROTECTION STATUS ☐ N/A

External Pipe Condition (Describe)
☐ Like New ☐ Surface Rust ☐ Severe Pitting ☐ Dent ☐ Dent w/Metal Loss
☐ Minor Pitting ☐ Moderate Pitting ☒ Other **Third Party Damage**
☐ Potential Stress Corrosion Cracking ☐ Potential Selective Seam Corrosion

Existing Coating
Type **Cold Tar** Thickness **.093"**
Condition: ☒ Well Bonded ☐ Partially Bonded ☐ Totally Disbonded

Internal Pipe Condition (Describe, if Cut)
☒ Like New ☐ Surface Scale ☐ Severe Pitting
☐ Minor Pitting ☐ Moderate Pitting ☐ Other

If Rectifier / Groundbeds are damaged, record and describe damage in this section and notify local Corrosion Technician and Depth of Cover Coordinator

efect Description
Actual Measured Wall Thickness **.312"** in.
Max. Defect Size: L **10"** in x W **3"** in. x D **.312"** in.
Defect Orientation (Downstream – Clock Position) **12 : 00**
Long. Seam Orientation (Downstream – Clock Position) :

P/S Reading

Before Repair (Ground Level)	Before Repair (in Ditch)	After Repair (Ground Level, if practical)
-1.74 VDC-	-1.74 VDC	-1.74 VDC

NOTE: If P/S reading is less than -0.85, notify local Corrosion Technician and Asset Integrity Supervisor

PH Reading: 5.2

LINE WELDING DATA ☐ N/A

Welders		No. New Girth Welds	No. New Maintenance Welds	Date of Weld
James Shoffner- Luke Willis- Bill Stark	No. Welds	4 X-Ray	2-Mag W/B	12/11/2011
	No. NDT			
Art DeLeon- Ron VanWyngardner	No. Welds			Installed 28.6' New Pipe + W/B
	No. NDT			

NONDESTRUCTIVE TESTING AND PRESSURE TEST DATA ☐ N/A

The following information must be documented and the original records submitted with the Maintenance Report to comply with DOT 195.266, 195.310, 192.517 and 192.243.

☒ Press. & Temp. Charts ☒ Inst. Calibration Certificate ☒ Testing Contractor ☒ Test Medium ☒ Date/Time of Test (Start & Finish) ☒ NDT Inspection Reports
☒ OQ Report ☒ Pipe Mill Certificates ☒ Facility Description ☒ Elevation Profile ☒ Exp. Of Pressure Discontinuities ☒ NDT Qualification Sheet

SIGNATURE

Submitted By (Print Name)	Signature	Date
Tom L. Galloway	Tom L. Galloway	12/14/11

RETENTION: PERMANENT

PIPELINE MAINTENANCE REPORT (Continued)

DISTRIBUTION
Send Original of Pages 1 & 2 only to:
Asset Integrity - Records Coordinator
One Williams Center, MD 27-3
Tulsa, OK 74172
Retain Copies Locally as Necessary.

PIPE INSTALLED ☐ N/A

Total Feet of Pipe Added (Tie-In Weld to Tie-In Weld)	Size	Wall Thickness	Grade	Seam Type	Manufacturer
28.6'	12.75" in.	.312" in.	X52	SMLS	Pioneer

PIPE RETIRED ☐ N/A

Total Feet of Pipe Retired	Size	Wall Thickness	Grade	Seam Type	Manufacturer
28.6'	12.75" in.	.312" in.		SMLS	Unknown

FABRICATED BENDS ☒ N/A

Total Feet of Bends Added	Bend Radius	Size	Wall Thickness	Grade	Seam Type	Manufacturer
	ft.	in.	in.			

PIPE DETAIL ☐ N/A

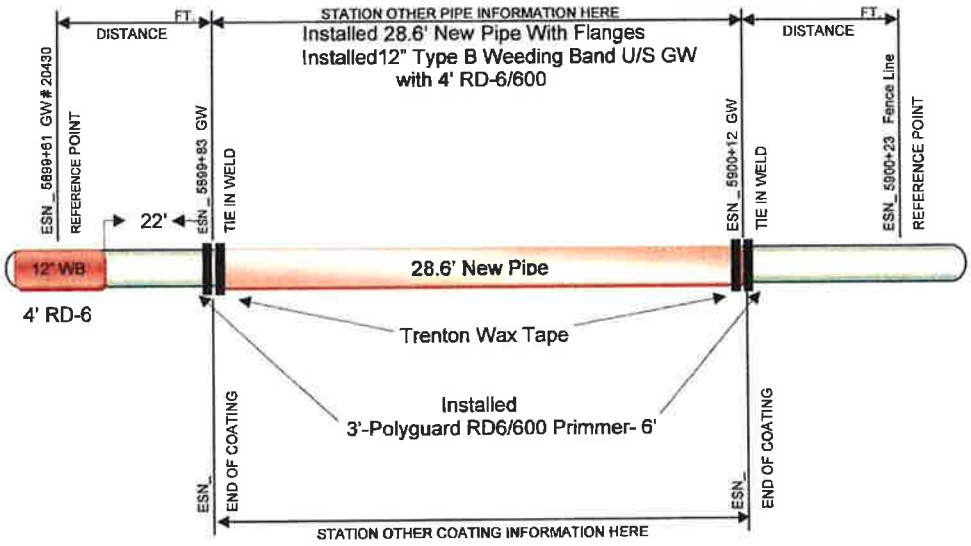
Reference Point Description (Nearest ℄ Road, Fence, Valve, etc., from Alignment Sheet): Nth Fence Line

Engineering Station Number (ESN) of Reference Point: 5900+23

Distance from Reference Point to nearest end of 24.6' ft.

☐ Tie-In ☐ End of coating ☐ Sleeve ☐ Valve ☒ Other Line Strike

Direction from Reference Point (along pipeline): ☐ North ☒ South ☐ East ☐ West



- *Use this area to sketch and station pipe component changes. Draw weld locations, valves, bends, fittings, coating or other components on pipe, then draw dimension lines and write stationing for each component location.*
- *If you cannot fit your sketch in this section, use the sketch area below or attach a sketch, being sure to include stationing or dimensions of all components.*

ADDITIONAL SKETCH / NOTE AREA

Definition – ESN = Engineering Station Number (reference alignment sheets)

☐ Check Here If There Are Attached Drawings Or Sketches

See Page 3 for Form Information and Instructions. Line Strike 8" Posted mark 3-14-12

GENERAL DATA

☒ MAINLINE ☐ FACILITY	Purpose of Report (See page 3 for examples)	Pipeline Name / Facility Name & Number	Line I.D. Number
	LINE STRIKE INVESTIGATION	FALLS CITY TO ~~IRVINGTON 6&12~~ Neb. C. Ly 3	6220

Tract Number	Mile Post	Latitude – Longitude (WGS 84 and Degrees - Decimal Minutes)	County	State
	111.7	Lat. = N40.312968 Long. = W95.721439	NEMAHA	NEBRASKA

Legal Description

Reference Drawings (Alignment Sheet OR Facility Drawing No.)

LEAK DATA ☐ N/A

Date Discovered (M/D/YYYY)	Time (HH:mm)	Date Stopped (M/D/YYYY)	Time (HH:mm)	Product	Leak Footprint	Barrels / MMCF Out of Line
12/10/2011	☐ AM ☐ PM	12/10/2011	8:00 ☐ AM ☒ PM	GAS	L 100' ft x W 230' ft	

Barrels Recovered	Barrels Lost

Cause – Preliminary (Final cause will be determined in the incident investigation)

☐ External Corrosion ☐ Internal Corrosion ☒ Third Party Damage ☐ Pipe Failure ☐ Equipment Failure
☐ Seam Failure ☐ Operator Error ☐ Contractor Error ☐ Frost Heave ☐ Natural Forces
☐ Washout ☐ Fire/Explosion ☐ Pressure Testing ☐ Overflow (Rain) ☐ Intentional Blow Down
☐ Vandalism ☐ Unknown ☐ Water Freeze ☐ Other (Specify) _____

Leak Reported By
Name Address Phone

WORK DONE AND REMARKS

AFE Number (if applicable)	Date Work Started	Date Work Completed	Ditch Was Open From M/D/YYYY to M/D/YYYY
	12/10/2011	12/12/2011	12/10/2011 to

Repair was: ☐ Above Ground ☒ Below Ground ☐ Both Depth of Cover 15"

Size of Ditch (in feet): 100' ft Long x 30' ft Wide x 5' ft Deep

Description of Work Done

Excavate to Investigate (Third Party) Line Strike Found Line Strike Damage to be approximately 14" L x 3" W x .203" D @ 12:00
Installed 37.6' New Pipe Fusion Bonded Epoxy Coating + 6' Polyguard RD6/600 primmer, With Additional Investigation Installed 8" Type B Weeding Band to Exposed U/S Girth Weld and 4' Polyguard RD6/600 Primmer
NOTE- MAG and X-Ray - See DBI Inspection Reports

PROPERTY DAMAGE ☐ N/A

Owner Address Phone

enant Address Phone

Description of Damage
Access- 3600' L x 30' W Cultivated
Cleanup-Pending due to ongoing environmental cleanup.

Real Estate Services Agent Notified? ☒ Yes ☐ No If yes, Name of Agent

Check Written To Date (M/D/YYYY) Check No. Amount

SHALLOW / EXPOSED PIPE ☒ N/A

Note: If minimum depth of shallow pipe is less than 18" in cultivated area, contact Depth of Cover Coordinator.

Shallow or Exposed	Length of Shallow / Exposed Pipe	Has this location been previously reported?	Land Use
☐ Shallow ☐ Exposed	ft.	☐ Yes ☐ No	☐ Cultivated ☐ Crop ☐ Creek ☐ Bar Ditch ☐ Residential ☐ Industrial ☐ Pasture ☐ Other

Is Exposed Pipe Unsupported?	Minimum Depth of Shallow Pipe / Average Depth of Shallow Pipe
☐ Yes ☐ No Unsupported Length ft.	in. / in.

Waterway Crossing Information (Visual Observation)	Is Area Populated? (Visual Observation)	Is Area an Environmental Concern? (Visual Observation)
☐ Waterway maintained ☐ Waterway carries debris that may damage pipeline	☐ Yes ☐ No	☐ Yes ☐ No

Is there water flow over pipe (more than 4 times per year) ? (Visual Observation)	Is There Evidence of Third Party Damage?
☐ Yes ☐ No	☐ Yes ☐ No

LINE CONDITION AND CATHODIC PROTECTION STATUS ☐ N/A

External Pipe Condition (Describe)
☐ Like New ☐ Surface Rust ☐ Severe Pitting ☐ Dent ☐ Dent w/Metal Loss
☐ Minor Pitting ☐ Moderate Pitting ☒ Other **Third Party Damage**
☐ Potential Stress Corrosion Cracking ☐ Potential Selective Seam Corrosion

Existing Coating
Type **Cold Tar** Thickness **.093"**
Condition : ☒ Well Bonded ☐ Partially Bonded ☐ Totally Disbonded

Internal Pipe Condition (Describe, If Cut)
☒ Like New ☐ Surface Scale ☐ Severe Pitting
☐ Minor Pitting ☐ Moderate Pitting ☐ Other

If Rectifier / Groundbeds are damaged, record and describe damage in this section and notify local Corrosion Technician and Depth of Cover Coordinator

Defect Description Actual Measured Wall Thickness **.203"** in.

Max. Defect Size: L **14"** in x W **3"** in. x D **.203"** in.

Defect Orientation (Downstream – Clock Position) **12 : 00**

Long. Seam Orientation (Downstream – Clock Position) **12 : 30**

P/S Reading
Before Repair (Ground Level) **-1.74** VDC-
Before Repair (in Ditch) **-1.74** VDC
After Repair (Ground Level, if practical) **-1.74** VDC

NOTE: If P/S reading is less than -0.85, notify local Corrosion Technician and Asset Integrity Supervisor

PH Reading 5.2

LINE WELDING DATA ☐ N/A

Welders		No. New Girth Welds	No. New Maintenance Welds	Date of Weld
James Shoffner- Luke Willis- Bill Stark	No. Welds	2 X-Ray	2-Mag W/B	12/11/2011
	No. NDT			
Art DeLeon- Ron VanWyngardner	No. Welds			Installed 37.6' New Pipe + W/B
	No. NDT			

NONDESTRUCTIVE TESTING AND PRESSURE TEST DATA ☐ N/A

The following information must be documented and the original records submitted with the Maintenance Report to comply with DOT 195.266, 195.310, 192.517 and 192.243.

☒ Press. & Temp. Charts ☒ Insl. Calibration Certificate ☒ Testing Contractor ☒ Test Medium ☒ Date/Time of Test (Start & Finish) ☒ NDT Inspection Reports
☒ OQ Report ☒ Pipe Mill Certificates ☒ Facility Description ☒ Elevation Profile ☒ Exp. Of Pressure Discontinuities ☒ NDT Qualification Sheet

SIGNATURE

Submitted By (Print Name)	Signature	Date
Tom L. Galloway	Tom L Galloway	**12/14/11**

RETENTION: PERMANENT

PIPELINE MAINTENANCE REPORT (Continued)

DISTRIBUTION

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One Williams Center, MD 27-3
Tulsa, OK 74172
Retain Copies Locally as Necessary

PIPE INSTALLED ☐ N/A

Total Feet of Pipe Added (Tie-In Weld to Tie-In Weld)	Size	Wall Thickness	Grade	Seam Type	Manufacturer
37.6'	8.625" in.	.250" in.	X52	SMLS	Unicon

PIPE RETIRED ☐ N/A

Total Feet of Pipe Retired	Size	Wall Thickness	Grade	Seam Type	Manufacturer
37.6'	8.625" in.	.203" in.		SMLS	Unknown

FABRICATED BENDS ☒ N/A

Total Feet of Bends Added	Bend Radius	Size	Wall Thickness	Grade	Seam Type	Manufacturer
	ft.	in.	in.			

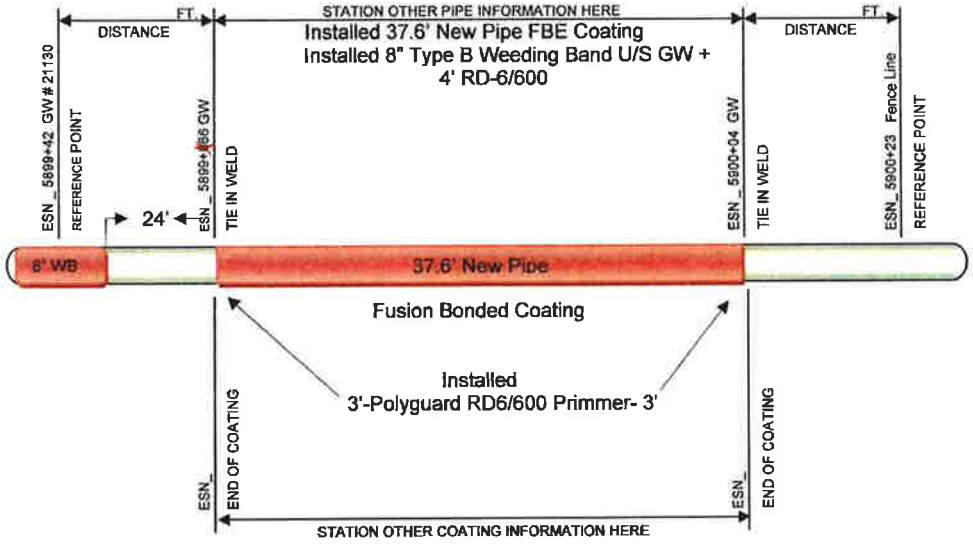
PIPE DETAIL ☐ N/A

Reference Point Description (Nearest ℄ Road, Fence, Valve, etc., from Alignment Sheet)
Nth Fence Line

Engineering Station Number (ESN) of Reference Point
5900+23

Distance from Reference Point to nearest end of 28.6' **ft.**
☐ Tie-In ☐ End of coating ☐ Sleeve ☐ Valve ☒ Other Line Strike

Direction from Reference Point (along pipeline)
☐ North ☒ South ☐ East ☐ West



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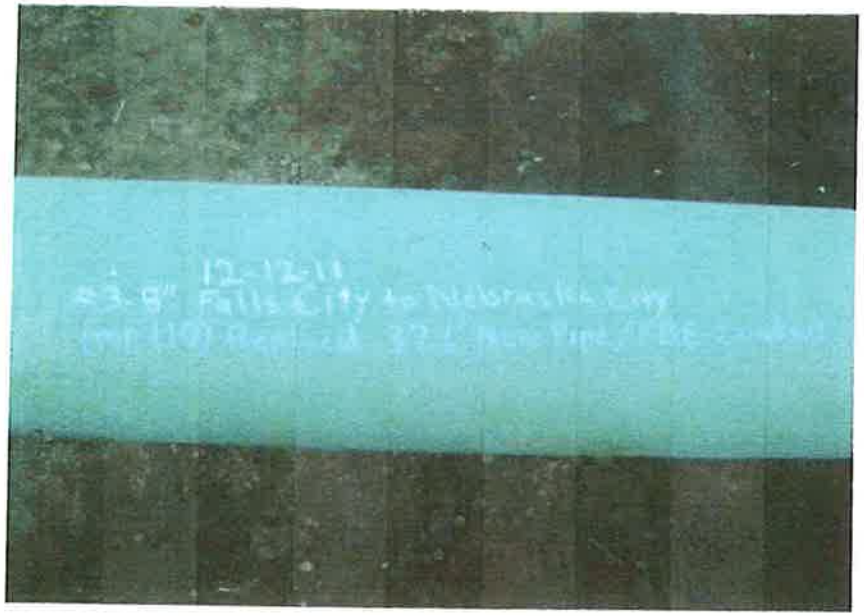
ADDITIONAL SKETCH / NOTE AREA

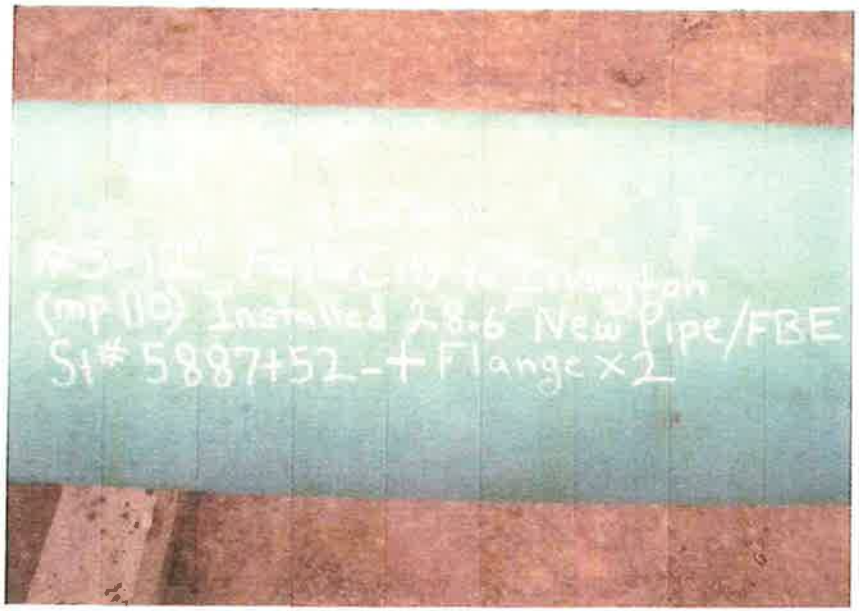
Definition – ESN = Engineering Station Number (reference alignment sheets)

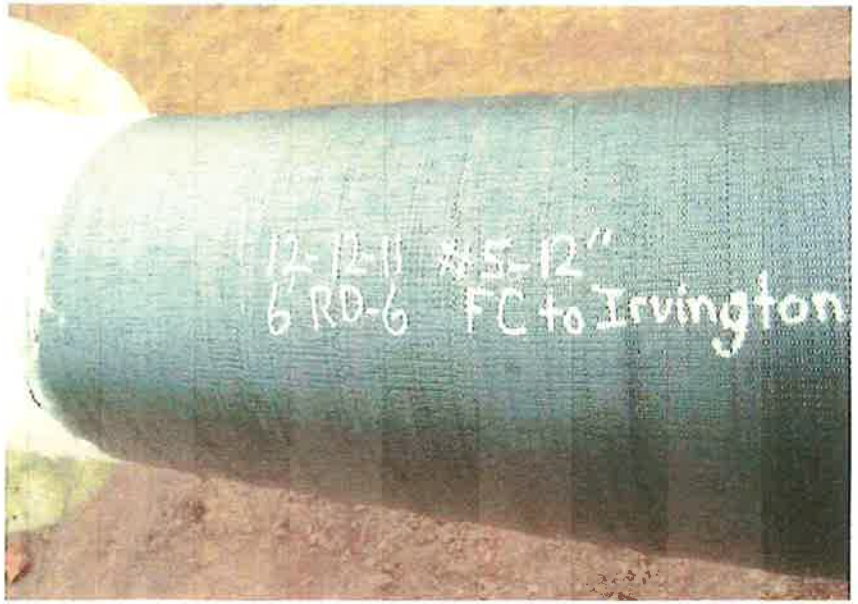
☐ Check Here If There Are Attached Drawings Or Sketches

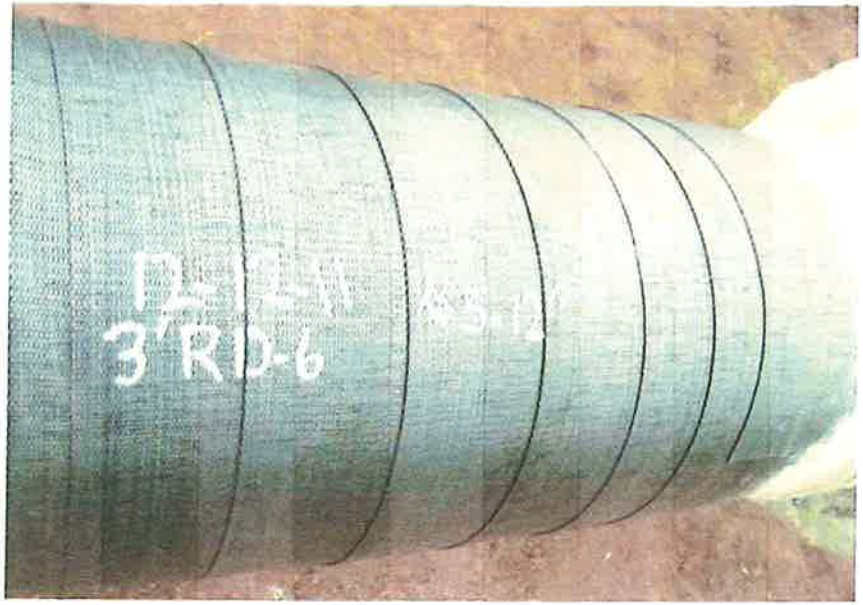

12-12-11
#3.8" Falls City to Nebraska City

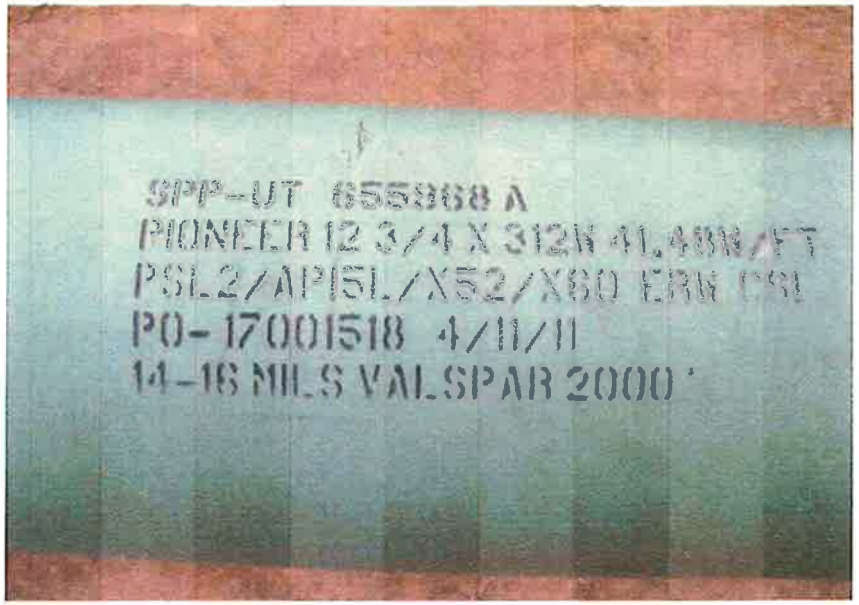

12-12-11
#3.8" Falls C to Neb. City
Type B Weeding Band
4'RD-6


12-12-11
#3.8" FC to NC
3'RD-6

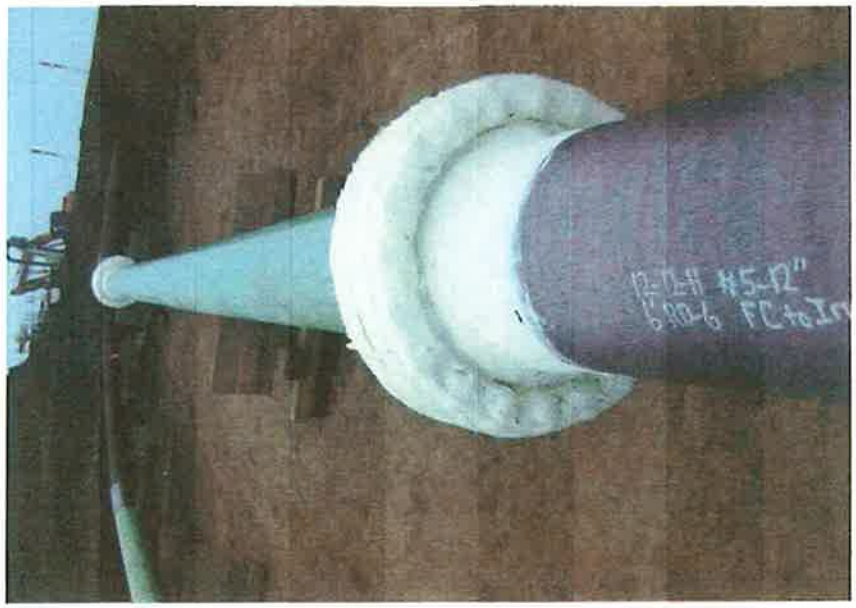

(mp 110) Installed 2-8-6" New Pipe/FBE
St# 5887+52 - + Flange x2

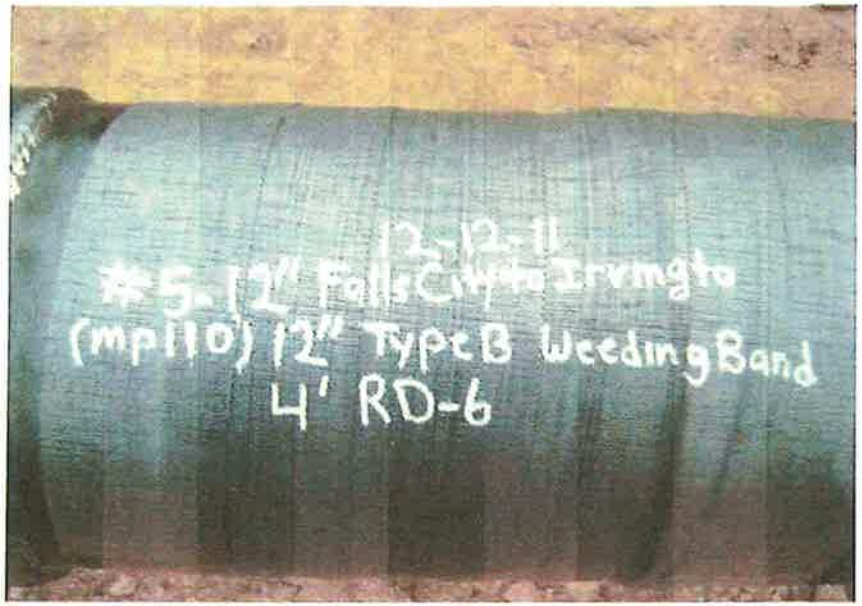

12-12-11 #5-12"
6 RD-6 FC to Irvington

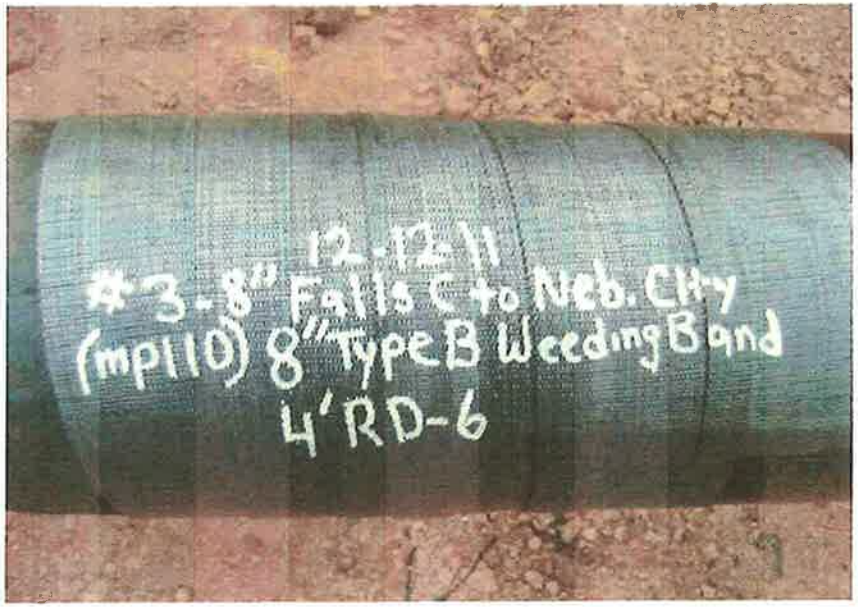

3 RD-6


SPP-UT 655868 A
PIONEER 12 3/4 X 312W 41.48W/FT
PSL2/APISL/X52/X60 ERW CSL
PO-17001518 4/11/11
14-16 MILS VALSPAR 2000


(mp110) 12" Type B Weeding Band
4' RD-6


#5-12"


12-12-11
(mp110) 12" Type B Weeding Band
4' RD-6


12-12-11
(mp110) 8" Type B Weeding Band
4' RD-6